

Claims

What I claim as my invention is:

[0061] 1. A mechanical storage battery with an anti-roll system, comprising; two identical movable rotors (1), 24 individual said movable weights (2), 24- 8-pole permanent magnets (3), 24 said 4- poled permanent magnets (4) attached to the said movable rotors (1), 24 shafts (5), 48 bearings (6), 24 said holding arms (7), 2 harmonic balancers (8), 2 main shafts (9), 4 main bearings (10), a differential unit (11), 8 complete stators (12) 180 degrees each, a gyroscope (13), a central computer (14) a vacuum pump (15), Stabilizing Battery's housing (16), a safety rim (17), a throttle positioning sensor (18), 4 rubber mounts (19)

[0062] 2. A mechanical storage battery with an anti-roll system, the component of claim 1, consisting of two identical movable rotors (1), that are spun opposite each other.

[0063] 3. A mechanical storage battery with an anti-roll system, the component of claim 1, within each one of the two said movable rotors (1), there are 12 individual said movable weights (2) 24 total for the 2 said movable rotors, which reduce the gyroscopic forces and allows the anti-roll system to function properly.

[0064] 4. A mechanical storage battery with an anti-roll system, the component of claim 1, within each one of the 24 said movable weights (2) there is a 8-pole permanent magnet (3), each side of the said permanent magnet (3) is 4-poled, this allows the said stators (12) to interact with the said magnets (3) for proper battery and anti-roll operation, also repel against the 24 4-poled permanent magnets (4) attached to the two movable rotors (1).

[0065] 5. A mechanical storage battery with an anti-roll system, the component of claim 1, wherein there are 24 said 4-poled permanent magnets (4) attached to the said movable rotors (1) facing the 24 said 8-poled permanent magnets (3) within the 24 said movable weights (2) with like poles facing each other, giving a repulsion force.

[0066] 6. A mechanical storage battery with an anti-roll system, the component of claim 1, wherein the repulsion of the 24- 4-poled said permanent magnets (4) functions like a magnetic spring, holding the 24 said movable weights (2) and the 24- 8-poled permanent magnets (3) in there proper said magnets (3) - stators (12) placement for the proper Stabilizing Battery operation.

[0067] 7. A mechanical storage battery with an anti-roll system, the component of claim 1, wherein there are 2 bearings (6) that are placed within each one of the 24 said movable weights (2).

[0068] 8. A mechanical storage battery with an anti-roll system, the component of claim 1, wherein there are 24 shafts (5) that ride on the 48 said bearings (6), connected to the 24 holding arms (7). 12 said holding arms (7) per each one of the 2 said movable rotors (1), which support the 24 said movable weights (2).

[0069] 9. A mechanical storage battery with an anti-roll system, the component of claim 1, wherein there are 2 harmonic balancers (8) 1 each placed within the center of the 2 said movable rotors (1), which increases the operational life of the said internal components.

[0070] 10. A mechanical storage battery with an anti-roll system, the component of claim 1, wherein there are 2 main shafts (9) connected to each one of the 2 said movable rotors (1).

[0071] 11. A mechanical storage battery with an anti-roll system, the component of claim 1, wherein the 2 said main shafts (9) are supported by 4 main bearings (10).

[0072] 12. A mechanical storage battery with an anti-roll system, the component of claim 1, wherein connected to the 2 said main shafts (9) there is a differential unit (11) that keeps the 2 said movable rotors (1) at its proper timing.

[0073] 13. A mechanical storage battery with an anti-roll system, the component of claim 1, wherein next to the 24 said movable weights (2) there are 8 complete stators (12) 180 degrees each, placed 45 degrees off the centerline of the 2 said movable rotors (1), all 8 of the said stators (12) can be independently controlled by the said central computer (14). This said stator (12) placement works in unison with the movable weights (2) and allows the said mechanical battery and the said anti-roll system to operate properly.

[0074] 14. A mechanical storage battery with an anti-roll system, the component of claim 1, wherein there is a gyroscope (13) built into the said central computer (14) with its sensors directly connected to the said central computer (14). The gyroscope is centrally located in the said motor vehicle, this allows the central computer (14) to fully monitor the angle of lean and accelerated angle of lean, of the motor vehicle at all times.

[0075] 15. A mechanical storage battery with an anti-roll system, the component of claim 1, wherein there is a said central computer (14) that fully controls all the Stabilizing Battery's functions, the said central computer sets the operating speed of the said movable rotors (1), by controlling all 8 of the said stators (12), also deciding when each one of the said stators (12) are to function like a generator or when each one of the said stators are to function like a motor. Also controls and monitors the function of the motor/generator connected to the ICE, vacuum pump and the built in gyroscope (13).

[0076] 16. A mechanical storage battery with an anti-roll system, the component of claim 1, wherein there is a said vacuum pump (15) inside the Stabilizing Battery's housing (16), that is activated by the central computer (14) at the start up of the said motor vehicle to maintain a vacuum in the said Stabilizing Battery housing (16), which reduces the aerodynamic losses.

[0077] 17. A mechanical storage battery with an anti-roll system, the component of claim 1, wherein there is a said Stabilizing Battery housing (16) that supports all the said internals components in there proper placement.

[0078] 18. A mechanical storage battery with an anti-roll system, the component of claim 1, wherein on the outer part of the Stabilizing Battery there is a safety rim (17) that supports all the 8 said stators (12) in there proper place and partially enclosing all 24 of the said movable weights (2) within the 2 said movable rotors (1). Which help contain the internal components, if a motor vehicle accident occurs or a mechanical problem.

[0079] 19. A mechanical storage battery with an anti-roll system, the component of claim 1, wherein there is a throttle positioning sensor (18) with its sensor directly connected to the said central computer (14). That informs the said motor/generator connected to the said ICE when to function like a motor and when to function like a generator. Also when the Stabilizing Battery is to function like a generator and when to function like a motor.

[0080] 20. A mechanical storage battery with an anti-roll system, the component of claim 1, wherein there are 4 rubber mounts (19) each one attaches to the said Stabilizing Battery housing (16), that mounts to the undercarriage of the said motor vehicle.

[0081] 21. A mechanical storage battery with an unique built in anti-roll system, wherein the said mechanical storage battery performs like a conventional mechanical battery in a motor vehicle but when the said central computer (14) receives information from the said gyroscope (13) that the said motor vehicle has past its said central computer (14) programmed tolerated angle of lean or accelerated angle of lean or both, then the said central computer (14) has the said mechanical storage battery stop functioning like the said mechanical storage battery and starts functioning like the said anti-roll system. Converting its stored mechanical energy into electrical energy and produces a torque action in the opposite direction the said motor vehicle is producing.

[0082] 22. A mechanical storage battery with an unique built in anti-roll system of claim 21, wherein when the said central computer (14) receives information from the said gyroscope (13) that the said vehicle has stabilized then the said anti-roll system stops functioning and the said mechanical storage battery functions like a said battery once again.

[0083] 23. A mechanical storage battery with an unique built in anti-roll system of claim 21, wherein when the said motor vehicle is about to roll over from a quick maneuver or going too fast in a turn. Then the information from the said gyroscope (13) is transmitted to the said central computer (14). The said central computer (14) informs all of the 8 said stators (12) to function like an anti-roll system.

[0084] 24. A mechanical storage battery with an unique built in anti-roll system of claim 21, wherein there are eight said stators (12) four said stators (12) per each 1 of the 2 said movable rotors (1), each one of the said stators (12) are 180 degrees each, when the said motor vehicle is about to over turn from the right side (passenger side in the USA), with its right side wheels becoming lighter and over turning to the left side (driver side in the USA) with its left side wheels becoming heavier. The two 180 degree right side said stators (12) placed above the said movable rotors (1) function like a motor and the two 180 degree right side said stators (12) placed below the said movable rotors (1) function like a generator. The magnetic induction interacts with the said 8- pole permanent magnets (3), said movable weights (2) and the said movable rotors (1) to produce a **"downward"** force to the right side of the said motor vehicle (passenger side in the USA). The electrical input to the top 2- 180 degree said stators (12) functioning like a motor comes from the electrical output from the bottom 2- 180 degree said stators (12) functioning like a generator.

[0085] 25. A mechanical storage battery with an unique built in anti-roll system of claim 21, wherein there are eight said stators (12) four said stators (12) per each 1 of the 2 said movable rotors (1), each one of the said stators (12) are 180 degrees each, when the said motor vehicle is about to over turn from the right side (passenger side in the USA), with its right side wheels becoming lighter and over turning to the left side (driver side in the USA) with its left side wheels becoming heavier. The two 180 degree left side said stators (12) placed above the said movable rotors (1) functions like a generator and the two 180 degree said stators (12) placed below the said movable rotors (1) functions like a motor. The magnetic induction interacts with the said 8- pole permanent magnets (3), said movable weights (2) and the said movable rotors (1) to produce a **"upward"** force to the left side of the motor vehicle (driver side in the USA). The electrical input to the bottom two 180 degree said stators (12) functioning like a motor comes from the electrical output from the top 2- 180 degree said stators (12) functioning like a generator.

[0086] 26. A mechanical storage battery with an unique built in anti-roll system of claim 21, wherein there are 8 said stators (12) 4 said stators (12) per each 1 of the 2 said movable rotors (1), each one of the said stators (12) are 180 degrees each, when the said motor vehicle is about to over turn from the left side (driver side in the USA), with its left side wheels becoming lighter and over turning to the right side (passengers side in the USA) with its right side wheels becoming heavier. The two 180 degree left side said stators (12) placed above the said movable rotors (1) function like a motor and the two 180 degree left side said stators (12) placed below the said movable rotors (1) function like a generator. The magnetic induction interacts with the said 8- pole permanent magnets (3), said movable weights (2) and movable rotors (1) to produce a **“downward”** force to the left side of the said motor vehicle (driver side in the USA). The electrical input to the left side top said stators (12) functioning like a motor comes from the electrical output from the left side bottom said stators (12) functioning like a generator.

[0087] 27. A mechanical storage battery with an unique built in anti-roll system of claim 21, wherein there are 8 said stators (12) 4 said stators (12) per each 1 of the 2 said movable rotors (1), each said stators (12) are 180 degrees each, when the said motor vehicle is about to over turn from the left side (drivers side in the USA), with its left side wheels becoming lighter and over turning to the right side (passengers side in the USA) with its right side wheels becoming heavier. The two 180 degree right side said stators (12) placed above the said movable rotors (1) function like a generator and the two 180 degree right side said stators (12) placed below the said movable rotors (1) function like a motor. The magnetic induction interacts with the said 8- pole permanent magnets (3), said movable weights (2) and movable rotors (1) to produce a **“upward”** force to the right side of the motor vehicle (passenger side in the USA). The electrical input to the right side bottom said stators (12) functioning like a motor comes from the electrical output from the right side top stators (12) functioning like a generator.